

Anti-CR2 [BU33]

Catalogue number: 151432

Sub-type: Primary antibody

Images:

Contributor

Inventor:

Institute: University of Birmingham

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CR2 [BU33]

Alternate name: Complement Component 3d Receptor 2; Epstein-Barr Virus Receptor 2; Complement C3d Receptor; EBV Receptor; C3DR; CD21 Antigen; CVID7; SLEB9; CD21; Cr2; CR

Class: Monoclonal

Conjugate: Unconjugated

Description: CR2 is expressed strongly on mature B cells, follicular dendritic cells and weakly on immature thymocytes and T lymphocytes. In B-cell ontogeny, CR2 appears after the pre-B-stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells. CR2 expression is also gradually lost after stimulation of B cells in vitro. CR2 functions as a receptor for C3d, C3dg and iC3b Complement components and for EBV and for IFN alpha. CR2 binds to CD23 and ...

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: HF B1 plasmactyoid cell line, considered to be "late B like"

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Complement component (3d/Epstein Barr virus) receptor 2 (CR2, CD21)

Target alternate names:

Target background: CR2 is expressed strongly on mature B cells, follicular dendritic cells and weakly on immature thymocytes and T lymphocytes. In B-cell ontogeny, CR2 appears after the pre-B-stage, is maintained during peripheral B-cell development and is lost upon terminal differentiation into plasma cells. CR2 expression is also gradually lost after stimulation of B cells in vitro. CR2 functions as a receptor for C3d, C3dg and iC3b Complement components and for EBV and for IFN alpha. CR2 binds to CD23 and ...

Molecular weight:

Ic50:

Applications

Application: FACS ; IHC ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Knapp, W. et al. eds. 1989. Leucocyte Typing IV Oxford University Press. ISBN-13: 978-0192618672 ; Leucocyte Typing III 1987. ISBN-13: 978-0192615527 ; Leucocyte Typing V 1995. ISBN-13: 978-0192623768 ; Leucocyte Typing VI 1998. Garland Publishing NY. ISBN-13: 978-0815327455 ; Ling, NR., Brown, B., Immunobiology (1992) 185(2-4) pp403-14 ; Jackson et al. 2020. BMC Genet. 21(1):101. PMID: 32907542. ; Herishanu et al. 2013. J Immunol. 190(2):784-93. PMID: 23241880. ; Masilamani et al. 2004. Rheumatology (Oxford). 43(2):186-90. PMID: 12867574. ; Decreased levels of serum soluble complement receptor-II (CR2/CD21) in patients with rheumatoid arthritis. ; Aubry et al. 1992. Nature. 358(6386):505-7. PMID: 1386409. ; CD21 is a ligand for CD23 and regulates IgE production.

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